

Converting Colors

XYZ(48.2096, 31.4020, 98.1280)

Have a look what the booklet for
XYZ(48.2096, 31.4020, 98.1280)
contains.

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Color

**XYZ(48.2013, 31.3649,
98.1213)**

Conversions

Conversions Part 1

Format	Color
Hex	CA70FF
RGB	202, 112, 255
RGB Percent	79%, 44%, 100%
CMY	0.2078, 0.5608, 0.0000
CMYK	0.21, 0.56, 0.00, 0.00
HSL	278°, 100%, 72%
HSV	278°, 56%, 100%
XYZ	48.2013, 31.3649, 98.1213
YIQ	155.2120, 7.7370, 63.5530

Conversions

Conversions Part 2

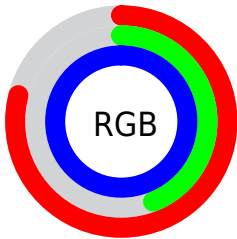
Format	Color
R _Y B	202, 112, 255
Decimal	13267199
CIE Lab	62.81, 59.01, -57.29
CIE LCh	63, 82.249, 315.846
Yxy	31.3649, 0.2713, 0.1765
Android (android.graphics.Color)	4291457279 (0xFFCA70FF)
YUV	155.2120, 49.1955, 41.0331
Hunter-Lab	56.0044, 55.6220, -64.6747

Details

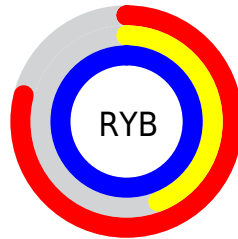
The XYZ color **48.2013, 31.3649, 98.1213** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **54.2021, 80.6894, 28.0482**, and the grayscale version is **31.0373, 32.6537, 35.5599**.

A 20% lighter version of the original color is **73.1087, 56.1174, 101.5862**, and **23.0927, 12.9866, 54.1129** is the 20% darker color. If you saturate the color by 10%, you get **43.2964, 25.2350, 97.1966**, and if you desaturate by 10%, it is **54.0615, 39.1708, 99.3191**.

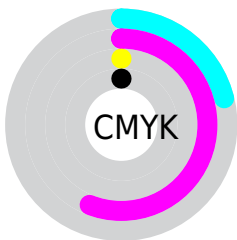
Distribution



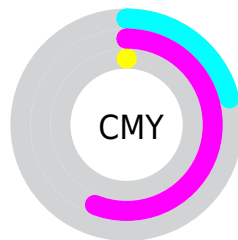
- Red (79%)
- Green (44%)
- Blue (100%)



- Red (79%)
- Yellow (44%)
- Blue (100%)



- Cyan (21%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2013, 31.3649, 98.1213 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 48.2013, 31.3649, 98.1213 by changing the saturation by 10% instead.


 48.2013, 31.3649,
98.1213


 48.2013, 31.3649,
98.1213

370.1588,
308.2159, 575.3476

 34.1982, 20.8769,
74.1244


 86.7119, 61.8141,
160.6023

 23.2095, 13.0340,
54.3984


 111.9502, 82.5441,
199.9235

 14.8699, 7.4520,
38.5250


 141.6643,
107.4568, 245.1898

 8.8138, 3.7463,
26.0854

176.2195,
136.9367, 296.8198

 4.6761, 1.5327,
16.6612

215.9812,
171.3682, 355.2320

 2.0913, 0.3116,
9.8338

261.3147,

 0.6845, 0.0000,

211.1356, 420.8450

5.1848

312.5855,
256.6234, 494.0774

■ 0.0000, 0.0000,
2.2954

■ 0.0000, 0.0000,
0.7287

■ 48.2013, 31.3649,
98.1213

■ 48.2013, 31.3649,
98.1213

■ 43.2964, 25.2350,
97.1966

■ 54.0615, 39.1708,
99.3191

■ 39.2715, 20.6376,
96.5214

■ 60.9375, 48.7728,
100.8101

■ 36.0437, 17.4105,
96.0686

■ 68.8883, 60.2838,
102.6129

■ 33.5097, 15.3509,
95.8046

■ 77.9668, 73.8063,
104.7445

■ 32.6458, 14.7444,
95.7331

■ 88.2227, 89.4353,
107.2206

95.0500, 100.0000,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.1230, 31.3649, 135.2845



48.2013, 31.3649, 98.1213



56.1214, 31.3649, 51.6705

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.2013, 31.3649, 98.1213



35.4260, 31.3649, 2.4076



13.4562, 31.3649, 54.0356

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



48.2013, 31.3649, 98.1213



54.2021, 80.6894, 28.0482

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



13.3591, 31.3649, 21.1206



48.2013, 31.3649, 98.1213



24.2814, 31.3649, 2.4893

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



48.2013, 31.3649, 98.1213



47.5815, 31.3649, 6.1837



16.8185, 31.3649, 6.6073



17.1290, 31.3649, 100.7602

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.2013, 31.3649, 98.1213



56.9561, 31.3649, 28.2166



16.8185, 31.3649, 6.6073



13.0426, 31.3649, 40.8641

Sweetspot

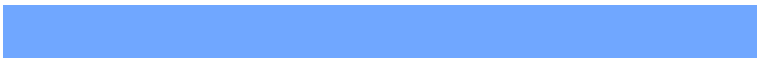
The Sweet Spot groups the original color and five complimentary colors.



48.2025, 31.3661, 98.1215



77.0803, 72.4713, 104.5335



38.5181, 38.2361, 99.9579



16.0927, 14.9031, 22.2784



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.2025, 31.3661, 98.1215



42.8892, 24.7487, 97.1242



62.5138, 39.0409, 85.3742



18.1019, 17.9443, 22.7595



17.2285, 7.7921, 50.0306



1.7982, 0.8209, 4.8769

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



53.8262, 35.5658, 39.6257



49.7254, 29.7453, 30.9183



46.3842, 76.5416, 32.9891



18.2877, 18.0984, 20.1323



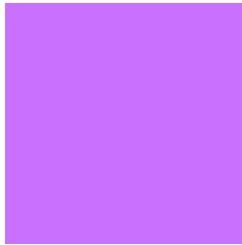
22.6823, 11.5622, 6.9775



2.2591, 1.1460, 0.9461

Previews

White Background



This preview shows how the XYZ color 48.2013, 31.3649, 98.1213 looks on a white background.

Color Contrast Check

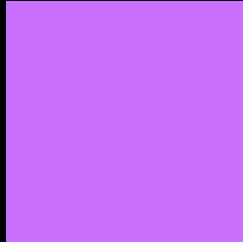
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 48.2013, 31.3649, 98.1213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

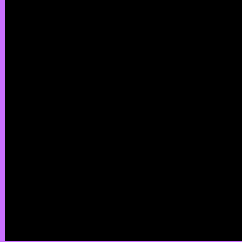
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.2013, 31.3649, 98.1213

Background



This preview shows how black text looks on a background with the XYZ color 48.2013, 31.3649, 98.1213.



This preview shows how white text looks on a background with the XYZ color 48.2013, 31.3649,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

48.2013, 31.3649, 98.1213

Protanopia

34.7413, 31.7791, 98.9106

Deuteranopia

32.7958, 31.8775, 92.4201



Tritanopia

34.8907, 31.2725, 33.0514

Trichromacy



Original Color

48.2013, 31.3649, 98.1213



Protanomaly

37.8387, 30.4910, 98.4988



Deuteranomaly

36.0167, 30.0656, 94.3474



Tritanomaly

38.5456, 30.6725, 51.4658

Monochromacy



Original Color

48.2013, 31.3649, 98.1213



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

35.6498, 30.9975, 53.3944

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2013, 31.3649, 98.1213 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(202, 112, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 112, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(202, 112, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 112, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.2013, 31.3649, 98.1213 is called "border". The border property can be set on classes, ids or directly on the HTML element.

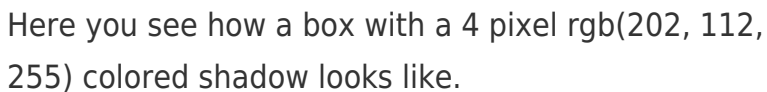
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(202, 112, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(202, 112, 255) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(202, 112, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(202, 112, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(202, 112, 255); box-shadow:4px 4px 4px 4px rgb(202, 112, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2013, 31.3649, 98.1213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 112, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(202,  
112, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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